Tripp Lite
1111 West 35th Street
Chicago, IL 60609 USA
Telephone: +(773) 869 1234
E-mail: saleshelp@tripplite.com

Model #: HTR15-2U

1500 VA Audio/Video Pure Sine Wave UPS System

Highlights

- 1500VA -1200W on-line, double-conversion, extended-run UPS; rackmount hardware included
- 6 outlets; 2 switchable load banks
- IP remote access, control and diagnostics capability with email notification (built-in accessory slot, SNMPWEBCARD available separately)
- Zero transfer time to battery takes incoming AC power and remakes it into perfect output power with a pure sine wave
- Maintains sine wave 100/110 or 120V +/-2% output during overvoltages to 138 and brownouts as low as 65V (50/60Hz auto-sensing)
- Pure Sine Wave operation completely isolates connected components from power problems.
- Drivers written for Crestron, AMX and Savant for seamless integration
- $250,000 Ultimate Lifetime Insurance (USA and Canada Only)

Description

Tripp Lite's HTR15-2U Pure Sine Wave 1500VA/1200W on-line, double-conversion UPS system prevents media data loss, equipment freeze-ups, downtime and equipment damage due to power outages, voltage fluctuations and transient surges. Provides full-time sine wave 100, 110 or 120V +/-2% output with zero transfer time between AC and battery operation. Actively converts raw incoming AC power to DC, then re-converts output back to completely regulated, filtered AC output. Operates continuously without using battery power during brownouts to 65V and overvoltages to 138V. Network-grade AC surge and EMI/RFI line noise suppression. Dataline surge suppression for a dialup, DSL or network Ethernet connection. Requires only 2 rack spaces (2U). Large internal batteries provide 18 min. half-load runtime and 8 min. full load runtime; runtime is expandable with optional BP48V24-2U and BP48V60RT-3U external battery packs. 1500VA/1200W power handling capacity is compatible with audio/video components and other sensitive electronic applications. Includes 6 UPS-supported outlets arranged in two switchable load banks that can be individually controlled via software interface to reboot selected equipment on demand or automatically shed less significant loads to extend battery runtime for more critical equipment. Supports simultaneous communications via USB port, DB9 serial port and SNMPWEBCARD slot for the ultimate in IP remote access, control and diagnostics capability with email notification. HID-compliant USB interface enables full integration with built-in power management and auto-shutdown features of Windows, Mac OS X and Linux. Supports simultaneous detailed monitoring of equipment load levels, self-test data and utility power conditions via all 3 network interfaces. Includes PowerAlert monitoring software and complete cabling. Multi-function audible alarms and front-panel LEDs provide at-a-glance notification of UPS and line power status. Attractive all-black color scheme. $250,000 connected equipment insurance (USA and Canada Only)

Applications

- Ideal for protection of AV systems, Crestron, AMX, HD sources, boardrooms, studios, houses of worship - FOH and other sensitive electronic equipment

Package Includes

- HTR15-2U Audio/Video Pure Sine Wave UPS System
- PowerAlert Software and cabling
- Mounting hardware for 4-post rack enclosures

- Instruction manual with warranty information

Features

- HTR15-2U Pure Sine Wave UPS provides perfectly regulated sine wave output within 2% of 100/110/120V (user selectable) under all usage conditions
- 1500VA/1200W power handling capacity compatible with control systems, high-definition sources, Audio/Video editing suites, digital consoles, DVD/music/PCs/servers, RAIDs, media centers, PVRs/DVRs, boardrooms, digital processors/EFX, racks and other sensitive electronics
- Removes harmonic distortion, fast electrical impulses, frequency variations and other hard-to-solve power problems not addressed by other UPS types
- Corrects line voltage conditions as low as 65V and as high as 138V back to selectable 100/110/120V (+/-2%) values
- 2 switchable load banks (2 outlets each) enable remote outlet management for load shedding or remote reboot of individual devices from anywhere in the world
- Single-line tel/DSL/Ethernet surge suppression
- Internal battery set offers 18 min. runtime at half load (600W) and 8 min. at full load (1200W)
- Optional BP48V60RT3U external battery pack increases runtime to 155 min. at half load (600W) and 72 minutes at full load (1200W); multi-pack compatible
- Optional BP48V24-2U external battery pack increases runtime to 75 min. at half load (600W) and 34 min. at full load (1200W); limit 1
- Fault-tolerant auto-bypass maintains continuous utility output to connected equipment, even in cases where the UPS suffers internal failure and requires maintenance
- Compact rackmount form factor installs in 2 rack spaces (2U) with a maximum installed depth of only 19 in.
- Offers simultaneous monitoring by up to 3 directly connected devices through included USB, DB9 and SNMP* interfaces (*requires optional SNMPWEBCARD), or the monitoring of any number of additional UPS systems over IP with included PowerAlert monitoring software
- HID-compliant USB interface enables full integration with built-in power management and auto shutdown features of Windows, Mac OS X and Linux
- PowerAlert UPS monitoring and unattended shutdown software enables configurable network broadcast messaging, pager and email notification, event logging and running user-defined script commands
- Front panel LEDs offer current monitoring and battery charge level information
- UPS ships fully assembled in full compliance with DOT regulations; no time-consuming connection of internal batteries by user required
- $250,000 Ultimate Lifetime Insurance (USA and Canada Only)

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	1500
Output Watt Capacity (watts)	1200
Nominal Output Voltage(s) Supported	100V; 110V; 120V
Frequency compatibility	50/60 Hz (auto-selectable)
Frequency compatibility details	Output frequency matches input nominal on startup
Output voltage regulation (line mode)	+/- 2%
Built-in UPS output receptacles	6 5-15R outlet(s)
Built-in controllable switched load banks	Two controllable 5-15R load banks (bank 1 - two outlets, bank 2 - four outlets)
INPUT	
Rated input current (at maximum load)	12A

Nominal Input Voltage(s) Supported	120V AC
UPS input connection type	5-15P
UPS Input cord length (ft.)	10 ft.
UPS Input cord length (m)	3.05
Recommended Electrical Service	120V 15A
Voltage compatibility (VAC)	120
BATTERY	
Full load runtime (minutes)	5 min. (1200w)
Half load runtime (minutes)	18 min. (600w)
Expandable battery runtime	Supports extended runtime with optional external battery pack BP48V24-2U (limit 1) and BP48V60RT-3U (multi-pack compatible)
External battery pack compatibility	BP48V24-2U (limit 1); BP48V60RT-3U (multi-pack compatible)
DC system voltage (VDC)	48
Battery recharge rate (included batteries)	Less than 6 hours from 10% to 80%
Replacement battery cartridge (internal UPS battery replacement)	RBC94-2U
Battery Access	Hot-swap battery replacement supported via front access panel
Typical battery lifespan	3-6 years, depending on usage
VOLTAGE REGULATION	
Voltage regulation description	On-line, double-conversion power conditioning maintains output within 2% of 100/110/120 volts at all times
Overvoltage correction	Maintains output of selected nominal +/-2% during overvoltages to 138V AC
Undervoltage correction	2% output voltage regulation during undervoltages to 80
Severe undervoltage correction	Maintains output within 2% of nominal during undervoltages to 65 (under 70% load only)
LEDS ALARMS & SWITCHES	
LED Indicators	14 LEDs indicate line power, online mode, economy/bypass mode, on-battery, overload, battery low, replace battery and fault status information; 4-LED meter displays load and battery charge levels; LED panel rotates for viewing in rack/tower formats
Alarms	Multi-function audible alarm with distinctive ring patterns offer notification of backup operation (2 sec. on / 0.5 sec. off), low battery warning (1.25 sec. on / 0.5 sec. off), overload (sounds continuously), UPS fault (4.2 sec. on / 1 sec. off), input voltage out of frequency (2.1 sec. on / 0.14 sec. off) and high input voltage (2.1 sec. on 0.07 sec. off)

Switches	Includes power off/on switch to enable system turn on (press ON switch), UPS battery test (press ON switch during normal AC operation), buzzer silence (press ON switch during battery operation) and OFF (press OFF switch) - all switch functions require tha
SURGE / NOISE SUPPRESSION	
UPS AC suppression joule rating	480 joules
EMI / RFI AC noise suppression	Yes
AC suppression response time	Instantaneous
Dataline suppression	Set of 8-wire RJ style interface jacks offer surge suppression for tel/DSL/Ethernet connections. Pins 1,2,3 and 6 offer Ethernet protection starting at 7.5V and the center two wires, pins 4 & 5, offer tel/DSL line suppression starting at 260V
PHYSICAL	
Installation form factors supported with included accessories	4 post 19 inch rackmount (mounting rail kit included)
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	3.5 x 17.5 x 19
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	8.9 x 44.4 x 48.3
Installed whole system total rack space height (rack spaces)	2U
UPS / Power Module weight (lbs)	47.4
UPS / Power Module weight (kg)	21.5
UPS Shipping dimensions (height x width x depth / inches)	9.8 x 20.2 x 24
UPS Shipping dimensions (height x width x depth / cm)	24.8 x 51.4 x 61
Shipping weight (lbs)	57.3
Shipping weight (kg)	26
UPS housing material	Steel
Cooling method	Built-in cooling fan
ENVIRONMENTAL	
Operating Temperature Range	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius

Storage Temperature Range	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity	0 to 95%, non-condensing
AC mode BTU / hr. (full load)	609.7
Battery mode BTU / hr. (full load)	664.2
COMMUNICATIONS	
Communications interface	USB (HID enabled); DB9 Serial; Contact closure; EPO (emergency power off); Slot for SNMP/Web interface
WatchDog compatibility	Compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of application/OS or hard power off/on reboot of connected equipment - ideal for unattended applications
EPO port	Supports Emergency Power Off function via set of dedicated built-in EPO jacks
SNMP compatibility	Yes, includes slot for optional SNMPWEBCARD accessory (#SNMPWEBCARD)
Software and cabling included	Yes, includes PowerAlert software CD-ROM and complete cabling
LINE / BATTERY TRANSFER	
Transfer time	No transfer time (0 ms.) in online, double-conversion mode
Low voltage transfer to battery power (setpoint)	80V (100% load), 65V (
High voltage transfer to battery power (setpoint)	138
SPECIAL FEATURES	
Cold Start (startup in battery mode during a power failure)	Cold-start operation supported
Appearance	Attractive all-black color scheme
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), NOM (Mexico), Class A (emissions), FCC Part 68 / Industry Canada (Telecommunications)
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty
Optional Coverage	3- and 5-year extended warranties, plus next day and on-site warranty coverage available for select opportunities. Contact Tripp Lite for additional information.
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

Related Items

Optional Products

Related Model	Description	Qty.
BP48V24-2U	BP48V242U - External Battery Pack for UPS System	1

BP48V60RT-3U	External Battery Pack and Cable. 3U, Expandable, Blue 2-Point Connector	1
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	1
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	1
DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	1
ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	1
PDU1215	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	1
PS7224	Tripp Lite Power Strip - Multiple outlets wherever you need them	1
SNMPWEBCARD	For remote monitoring and control via SNMP, Web, or Telnet.	1
WEXT3-500-1500	3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	1
WEXT5-500-1500	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	1
2-9USTAND	Enables Tower Placement of Rackmount UPS Systems	1
2POSTRMKITWM	Enables 2-Post Rackmount or Wallmount Installation of Select Rackmount UPS Systems	1

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?variables.txtModelID=3344.

Copyright © 2013 Tripp Lite. All rights reserved. All trademarks are the sole property of their respective owners. Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice. Photos may differ slightly from final products.